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(6) Coordinates the establishment and use of a system of ground and airborne targets and an associated communications and instrument network (CORN) to obtain data to assist in the evaluation of satellite and aircraft camera systems.

(7) Maintains current knowledge of all photographic processing and printing research and development items and all photographic film, chemicals and supply items in the (S) NRO budget in sufficient detail to explain and justify throughout the budget cycle.

6. Responsibilities of the Deputy for Satellite Operations (SS-4)

a. Intelligence Collection Requirements. SS-4 is the principal working interface between the (S) NRO and the intelligence community, as represented by the committee and working group structure of the USIB, and is assigned the following specific responsibilities:

(1) Through daily liaison with the Washington intelligence community, maintains currency with changes in intelligence targets of interest, and changes in target priorities, in order to assure the best possible collection response by the satellite reconnaissance program.

(2) Represents the (S) NRO on the COMOR and, when appropriate, on other committees and working groups of the USIB.

(3) Serves as the responsible (S) NRO Staff element and central (S) NRO Staff contact point for all USIB matters--USIB, COMOR agendas, minutes, papers, etc., and for all NSA and DIA matters, papers, and documents pertaining to intelligence collection requirements and priorities. Keeps the (S) NRO Staff informed of all USIB, COMOR and DIA actions of interest to the (S) NRO.

(4) Conducts analyses of photo and SIGINT intelligence collection requirements and priorities and compares collection requirements with planned collection capability, to serve as a basis of (S) NRO program planning to meet these requirements.

(5) Conducts climatology studies of areas of intelligence collection interest. Combines climatology analyses with photographic collection requirements analyses and recommends photographic satellite mission schedules to the Director, (S) NRO Staff.

NSA, NRO reviews completed

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(6) Conducts analyses of the extent of collection realizable from orbiting SIGINT satellites. Combines with SIGINT collection requirements analyses and recommends SIGINT satellite mission schedules to the Director, (S) NRO Staff.

(7) Prepares briefing memorandum for the Director, (S) NRO Staff to provide to the Director, (S) NRO prior to each USIB meeting, to contain:

- (a) The Agenda
- (b) A copy, or a brief digest, as appropriate, of each reference.
- (c) An explanation of each item listed as "restricted session".
- (d) Background papers, summaries, and recommendations, as appropriate.

*Action*

(8) Monitors intelligence reports and documents as necessary in order to maintain current knowledge of all areas of intelligence collection interest. Prepares briefings and summaries as necessary to keep the (S) NRO Staff appropriately informed.

(9) Keeps the COMOR and its subsidiary working group structure informed on the intelligence collection capabilities of satellite reconnaissance systems in order to provide and maintain the understanding necessary for them to specify overall collection requirements and priorities. *In conflict with 5a(10)*

b. Satellite Operations.

(1) Prepares, for the approval of the Director, (S) NRO Staff, Reports Control Manuals to be used for each satellite reconnaissance project. (All manuals will be prepared in similar format, adjusted to each particular project. All manuals will use the term "Satellite Operations Center" rather than "Project Control Center", "Project ? Director of Operations", or "Deputy for Satellite Operations".

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(2) Conducts general pre-mission planning and coordination, including conduct of CPX's.

(3) Schedules and activates all ground, air, and orbital operations of the controlled range network (CORN).

(4) Coordinates, when appropriate to the type mission(s) involved, the satellite reconnaissance missions with activities controlled by other organizations. (Such as peripheral reconnaissance, etc.)

(5) Maintains mission following capability on 24-hour basis.

(6) Maintains approved list of personnel to be notified of satellite reconnaissance operations, develops procedures for such notification, carries out notification procedures as approved by the Director, (S) NRO. All such notification, other than by wire or memorandum, will be accomplished by officer grade personnel.

c. Satellite Launch Schedules.

(1) After completion of pad run and initiation of launch count, determines launch date changes for target weather or intelligence reasons, within options permitted by pads, system availability and technical status, as defined by SS-6.

(2) Transmits satellite launch schedule information in accordance with the approved Reports Control Manual for each project. (Except for the optional change referred to above, SS-6 will be the sole source of all schedule information (and difficulties affecting the schedule) used or transmitted by SS-4, as explained under description of SS-6 responsibilities.)

d. Satellite Missions.

(1) Pre-launch responsibilities.

(a) Specifies desired target coverage.

(b) Approves orbit.

- (c) Specifies desired on-orbit target program options.
- (d) Approves target program for each photographic mission.
- (e) Approves read-in/read-out program for SIGINT satellite missions.
- (f) Specifies desired launch time.

(2) Post-launch responsibilities.

- (a) Maintains mission following appropriate to the particular type of system, monitoring the general health of the system and the remaining collection capability.
- (b) Makes all on-orbit selection of photographic target options, based on target weather or intelligence factors.
- (c) Makes and directs all tasking plans for read-in/read-out operations of SIGINT systems, based on power status and intelligence factors. Establishes appropriate emergency tasking plan to assure quick reaction to intelligence reasons for changing tasking.
- (d) For photographic systems which have completed the developmental phase and have been declared operational, changes the mission duration, within the limits permitted by the technical health of the system, based on target weather or intelligence reasons.

(3) Post Mission Responsibilities.

- (a) Monitors the progress of the intelligence take until it has been delivered to the intelligence community customers (NPIC and DIA for photo take, NSA and SAC for SIGINT take).
- (b) Conducts analyses of degree of success of satellite missions, both photo and SIGINT, in regard to target coverage achieved versus target coverage attempted, and collates the results.
- (c) Conducts/participates in post mission critiques to improve procedures and coordination.

(d) Maintains cognizance of the orbital status of all satellite reconnaissance vehicles in orbit, and records date and location of re-entry.

e. Other Responsibilities.

(1) Conducts cumulative analyses of target coverage obtained and collates with USIB collection requirements.

(2) Recommends to the Director, (S) NRO Staff changes in collection capability which would be desirable, with supporting analyses relating the proposed improved collection capability to USIB collection requirements.

(3) Serves as the responsible (S) NRO Staff element for emergency action due to re-entry of a satellite reconnaissance vehicle in a location likely to provoke undesirable reaction or disclosure.

(4) Supervises the operation of the special communications capability utilized by the (S) NRO Staff.

(5) Is responsible for control and accountability of incoming and outgoing [redacted] messages, destruction of classified material for BD944, and for publication and control of operations Reports Control Manuals.

7. Responsibilities of the Deputy for Advanced Planning (SS-7)

a. Under the Director, (S) NRO Staff, the primary responsibilities of this office are:

(1) Assists the (S) DNRO to plan and execute a program of research, of study, and of development for components and systems to support the gathering of image and signal intelligence by overflight of denied territory;

(2) Insures that the (S) NRO employs all resources available to it, each to its best usefulness, in support of this planning function.

(3) Insures that decisions by (S) DNRO to undertake new developments are made in the light of the best available knowledge of technical possibilities and requirements, and are made against criteria which fully reflect both national policy and the need to make efficient and economical use of all resources.

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(4) Maintains a current analysis of the status of applicable technical knowledge and of the status of all significant relevant studies, research, and development activities that are conducted by the (S) NRO, by elements of the DOD and the CIA not normally considered part of the (S) NRO, or by other agencies from which information may be available.

(5) Maintains a current projection of the technical requirements that may be expected to govern the development of future systems for gathering intelligence by overflight of denied areas.

(6) Maintains a current analysis of the technical requirements imposed by the needs of the intelligence community upon systems in current use in the (TS)NRP.

(7) Maintains a current analysis of the performance of current systems against existing and projected technical requirements, and of the technical problems encountered by these systems.

(8) Analyzes for (S) DNRO the plans and programs of the (S) NRO Program Directors and reviews and analyzes such proposals for new studies or developments as may be submitted to (S) DNRO.

(9) Conducts such other studies and analyses as (S) DNRO may direct.

(10) Recommends to (S) DNRO such plans and actions as are found necessary to improve the quality and economy of the (TS) NRP, and to improve its responsiveness to national needs.

(11) Assists in guiding and planning (but is not responsible for conducting) the research and development program.

(12) Conducts basic analyses as required to carry out assigned responsibilities. (However, the execution of planning studies calling for significant effort will be assigned by DNRO as tasks to appropriate Program Directors or to other agencies, under guidance approved by DNRO.)

b. The existence of this Advanced Planning Office at Staff level does not imply an exclusive responsibility for such planning. Program Directors will continue to be responsible for advanced planning in connection with their assigned programs. It is the intention of the (S) DNRO that the Advanced Planning Office assist in the recognition and pursuit of promising lines of inquiry, and that it not assume the function of initiating all inquiries itself.

[Redacted]  
John L. Martin, Jr.  
Brigadier General, USAF  
Director, (S) NRO Staff

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